

Experience

Engineering Co-op Student **Andritz Ltd.** **Aug 2016 - Dec 2016**

- Created Excel utilities with VBA that massively stream-lined SAP processes, saving Project Managers 10 hours every week
- Developed Python GUI database app with SQLite to reduce time searching for SAP materials by 50%

Data Analyst Intern **Canadian Logistics** **Dec 2015 - May 2016**

- Replaced manual processes with Python to efficiently consolidate all data saving 2 hours per day
- Improved hiring practices by analyzing compiled data to demonstrate the low retention rates associated with hiring through labor agencies
- Utilized Excel pivot tables to summarize, categorize, and present data allowing the owner to make informed decisions about company operations

Education

Vancouver, BC **University of British Columbia** **Sep 2013 - May 2018**

B.A.Sc in Mechanical Engineering GPA: 3.6/4.33

Projects

- **Strength Journal** ([Google Play Store](#)) ([Github](#)) *Kotlin, Java, XML*,
An Android workout tracker that let's you jump straight into recording your exercises
- **Element Eraser** ([Chrome Web Store](#)) *JavaScript, Chrome API, HTML, CSS*,
An Android workout tracker that let's you jump straight into recording your exercises
- **Blob Combat Simulation** ([Github](#)) *C++, SFML, QtCreator, Eigen (Linear Algebra Library)*,
Developed a simulation where 'blobs' evolve to fight using neural networks and different genetic selection algorithms
- **Water Jet Propelled Vehicle** (<http://arashout.site/euro.html>) *C, MATLAB, SolidWorks, 3D Printing*,
Built a water-jet propelled RC car that came 1st place out of 20 teams in competition, scoring major points for a time marching simulation that predicted vehicle kinematics to within 12% accuracy
- **Improved UBC Transcript** ([Github](#)) *Python, Flask, JavaScript*,
A JavaScript bookmarklet that users can easily click to enhance the unofficial UBC Transcript by removing clutter and adding course information to grades. Retrieves information from web app with REST API